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PRESS RELEASE

IIT (ISM) faculty members explain the complex scientific concepts in simplified manner to over 300 students of remote school of Tundi block of Dhanbad, through the usage of 3 D techniques

More than 300 students of Upgraded High School, Sohnad situated in tribal dominated Purbi Tundi area of Dhanbad about 40 kms from Dhanbad district headquarters, today got the opportunity to understand the complex scientific concepts through the usage of 3D models and videos.

The occasion was the five hour workshop, conducted by a group of IIT (ISM) faculty members under the Department of Science Technology sponsored project, titled, “Motivate School Students and teachers concerning the relevance of Science and Technology through innovative communication techniques”

The workshop, 16th in series began in the school verandah this morning at around 10.30 in presence Md Zakir Hussain and four other assistant teachers, with principal investigator of project Rashmi Singh, Assistant Professor of Department of Management Studies and Industrial Engineering of IIT (ISM), explaining the working of wide variety of scientific models to the students and also playing the special videos before them.

While explaining the models to the participating students of the workshop she also explained the role of science and technology in present digital era.

While elaborating about the usage of 3 D techniques in teaching students Prof Singh said, “The importance of 3 D techniques is well known in the education sector as it offers visualization which is more interactive and engaging”

“It also helps to develop imagination and creativity skills to understand the complex concepts of Science and allows learners to get exposed to different learning experiences and strengthen their analytical thinking process” further said Prof Singh.

Echoing sentiments, Niladri Das, Associate Professor of Department of Management Studies and Industrial Engineering who was also present during the occasion as guest speaker along with two project staff, Sumita Biswas and Priti Kumari said “The usage of 3 D techniques in teaching while helps to stimulate curiosity and imagination also encourages students for exploration and experimentation and innovation”.

Md Zakir Hussain, Principal of school who also present during the workshop said “The proceedings of workshop proved the fact that the 3 D techniques offers a better platform to understand Mathematics in a whole new way, visualizing everything from basis geometry to fractals giving them a hands on understanding of the Scientific principles that they will need to apply in future”

“The technique allows concepts to be converted from theoretical mode to physical one” further said Hussain adding that this helps students to visually and tangibly experiment with a variety of Mathematical and Scientific Concepts.



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Sunita Kumari (15), a class 10 student of the school who attended the workshop said “ I was facing some problems in understanding certain sums of Geometry but the models brought here in our school during the workshop helped me to clarify the doubts regarding calculation of perimeter of triangles, rectangles etc”

Rajni Singh

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